

### ABSTRACT OF THE DISCLOSURE

An arrangement for measuring the geometry or structure of an object by means of a co-ordinate measuring device with an optical system for recording and reproducing a measured point on at least one optical sensor, whereby the optical system has at least one displaceable lens group having at least one measuring lens and at least some of the measuring lenses are supported in a housing. At least one further lens is arranged in at least some of the housings for supporting the measuring lenses of the at least one displaceable lens group, for the focusing of a light beam on the object.